Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/03/2019 12:11 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125570	0	2.56	125572	2.53
Blue	F	SSC	125000	125229	0	4.28	126063	4.24
Blue	E	FITC	16694	16578	-1	4.17	386	22.46
Blue	D	PE	32792	32344	-2	3.47	711	16.78
Blue	B	PerCP-Cy5-5	44451	44043	-1	4.82	1208	22.97
Blue	A	PE-Cy7	33645	33483	-1	7.39	607	48.59
Red	C	APC	47008	46680	-1	3.23	1805	13.52
Red	A	APC-Cy7	32298	31820	-2	3.00	799	14.15
Violet	B	V450	8961	8755	-3	4.71	492	15.54
Violet	A	V500	32726	31607	-4	4.42	764	11.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21070	5.05	611	-2	N/A	N/A	Pass
Blue	F	SSC	56913	3.78	584	16	N/A	N/A	Pass
Blue	E	FITC	62	75.85	569	6	0.0149	164	Pass
Blue	D	PE	143	57.49	573	7	0.1230	273	Pass
Blue	B	PerCP-Cy5-5	223	57.17	677	6	0.0075	92	Pass
Blue	A	PE-Cy7	118	120.80	732	6	0.0087	24	Pass
Red	C	APC	412	29.13	614	1	0.0190	155	Pass
Red	A	APC-Cy7	198	31.64	585	0	0.0045	1008	Pass
Violet	B	V450	79	68.12	484	-2	0.0350	2110	Pass
Violet	A	V500	111	37.07	493	-3	0.0184	779	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.07	-32.46	1.07
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	16.85	13.60 - 20.40	N/A	N/A	29.16	29.88	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9869

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments